

3643-SCU-133  
0044223

# SDG Memo/Sample Summary

Client Name: WESTINGHOUSE HANFORD CO. Date: 21 May 1993  
Project Name: 93-117 Update No.:  
SDG No.: 3643 Work Order No.: 32468-09  
Project Manager: J. DEWALD  
Mail Date:

Client Samp No.	S-Cubed Samp No.	Date Rcvd	Date Samp	Matrix	FURN7000	HG7000	ICP6010						
93117-01.E6	3643-01	6-7-1993	6-6-1993	NSS	X	X	X						
93117-01.E6MS	3643-01MS	6-7-1993	6-6-1993	NSS	X	X	X						
93117-01.E6REP	3643-01REP	6-7-1993	6-6-1993	NSS	X	X	X						

(X) = Non-Billable Sample



## NARRATIVE

May 25, 1993

Narrative Project: 93-117  
Reference No.: 32468-09  
Client: WHC  
SDG No.: 3643

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### METALS

The sample was analyzed according to SW-846 Method 6010 and 7000 for the CLP metals list. No dilutions were required for analysis. Pb was reported from ICP due to high levels over five times ICP IDL. Analytes of interest were detected in sample.

The quality control results were acceptable. MS recovery for Sb, As and Hg were low. MS recovery for Fe, Pb and Zn were insignificant, because the levels were less than four times of the sample results. %RPD recovery for Ba, Ca, Cr, Pb and Zn were outside the criteria. Prep blanks were acceptable. All soil LCS recoveries were within the advisory ranges.

  
John DeWald  
Project Manager

enclosures

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5 A-6000-408 (06/91)

Contractor <b>Westinghouse Hanford</b>	<b>OFF-SITE PROPERTY CONTROL</b>	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT) <b>W93-0-0403 #36</b>
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**PART I - TO BE COMPLETED BY ORIGINATOR**

Department <b>Processing and Analytical Laboratory</b>	Section <b>Sampling and Special Analytical Services</b>	Unit <b>Sampling and Mobile Labs</b>
The following items are to be shipped from <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Vendor		
Routing <b>Burlington Air Express</b> <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Vendor		
Shipped to <b>S-Cubed 3398 Carmel Mt. Road San Diego, CA 92121-1095</b>		Off-site Custodian <b>John Dewald</b>
		Full Title

Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1	<b>Polycooler, Samples packed on wet ice Samples 93116-01 and 93117-01</b>	
<b>WT. 9 #</b>	<b>Polycooler # <u>Red White Lunch Box</u></b>	

☐ Classified ☒ Unclassified ☐ Shipped Under DOE Contract ☐ Shipped Under Contractor's Use Permit Contract

Necessity for the Off-Site Use of this Property

**Samples require analysis not presently available at this site.**

**C of C # 004321  
SAF # 93-116 and 93-117**

**Bill of Lading # 970 891 950**

**CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.**

RM Clearance for Public Release <b>222-8/200W</b>	RM Survey No. <b>12-127</b>	Date
Location of Property (Area & Bldg.) <b>222-8/200W</b>	Contact <b>C. D. Hayes</b>	Phone <b>373-2891</b>
Date Ready for Shipment <b>5/6/93</b>	Cost Code to be Charged <b>12910</b>	Approximate Date This Property will be Returned <b>P5521</b>
Originated By <b>S. M. Steele</b>	Date <b>5/6/93</b>	Authorized By <b>J. E. Hyatt</b>
Signature and Name of Property Control	Custodian Date	Property Management Approval <b>11-5-93</b>
		Date

**PART II - TO BE COMPLETED BY SHIPPING**

Signature of Recipient <b>11/1/93</b>	Return Order No.	Date Issued	Purchase Order No.	Date Issued
Date <b>5/1/93</b>				

**DISTRIBUTION**

By Originator White, Green, Yellow, Pink - Property Management	Shipping Operation - Sign all Copies and Forward to: White - Property Management Green - Property Control Custodian (Issuing Office) Yellow - Retain Pink - Originator
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001001

**BURLINGTON  
AIR EXPRESS**CORPORATE SUPPORT GROUP  
18200 VON KARMAN AVE.  
IRVINE, CA 92715

970 891 950

<b>3</b>	<b>C.O.D.</b>
\$	CONSIGNEE'S CHECK O.K. MARK IF APPLICABLE <input type="checkbox"/>
\$	DECLARED VALUE
\$	LIMIT OF LIABILITY LIABILITY IS AGREED AND UNDERSTOOD TO BE \$50.00 OR \$50 PER POUND WHICHEVER IS GREATER, UNLESS A HIGHER VALUE IS DECLARED AND APPLICABLE CHARGES PAID. SEE REVERSE SIDE OF AIRBILL, PARAGRAPH 8 FOR DECLARED VALUE LIMITATIONS.
<b>1-800-CALL-BAX</b> FOR INFORMATION OR THE BAX OFFICE NEAREST YOU	

DATE <b>05-06-93</b>	ORIGIN <b>PHO</b>	DEST. SORT CODE
SHIPPER'S REFERENCE NO. <b>W12910 PE52L W93-0-04-3#38</b>		SHIPPER'S ACCOUNT NO. <b>381134104</b>
COMPANY <b>WESTINGHOUSE #36</b>		DEPT./FLOOR
FROM (YOUR NAME) <b>WESTINGHOUSE SHIPPING DEPT. (509) 376-6665</b>		PHONE NO.
STREET ADDRESS <b>2395 STEVENSON</b>		
CITY <b>RICHLAND</b>	STATE <b>WA</b>	ZIP (REQUIRED) <b>99352</b>

<b>2</b>	
CONSIGNEE'S REFERENCE NO.	CONSIGNEE'S ACCOUNT NO.
COMPANY <b>S-CUBED</b>	DEPT./FLOOR
TO (CONSIGNEE NAME) <b>S-CUBED JOHN DEWALD</b>	PHONE NO.
ACCURATE STREET ADDRESS (BURLINGTON CANNOT DELIVER TO A P.O. BOX) <b>3398 CARMEL CARMEL MT. ROAD</b>	
CITY <b>SAN DIEGO</b>	STATE <b>CA</b>
ZIP (REQUIRED) <b>92121</b>	

<b>4</b>	<b>BILLING INFORMATION</b>
<input checked="" type="checkbox"/>	PREPAID (SHIPPER) \$ <u>          </u> CASH RECEIVED (PAID IN ADVANCE)
<input type="checkbox"/>	COLLECT (CONSIGNEE)
<input type="checkbox"/>	3RD PARTY (ACCT. NO. OR BILLING ADDRESS REQ'D.)
ACCOUNT NO.	
COMPANY/NAME	
STREET ADDRESS	
CITY	STATE ZIP

<b>5</b>	<b>SERVICE REQUESTED</b>
<input checked="" type="checkbox"/>	OVERNIGHT (NEXT BUSINESS DAY)
<input type="checkbox"/>	SECOND DAY
<input type="checkbox"/>	NEXT FLIGHT OUT
CHECK BELOW IF PACKAGE IS:	
<input type="checkbox"/>	LETTER
<input type="checkbox"/>	G.O.H. (GARMENT ON HANGER)

<b>6</b>	<b>HANDLING INFORMATION (* SPECIAL RATE MAY APPLY)</b>				
<input type="checkbox"/>	HOLD AT BAX				
<input type="checkbox"/>	*DANGEROUS GOODS				
<input type="checkbox"/>	*SATURDAY DELIVERY				
<input type="checkbox"/>	*SPECIAL DELIVERY				
<input type="checkbox"/>	*CONVENTION				
<input type="checkbox"/>	*GOVERNMENT SHIPMENT				
SPECIAL INSTRUCTIONS / ADDITIONAL REFERENCE INFORMATION: <b>SAMPLES</b>					
NO. OF PCS <b>1</b>	WEIGHT <b>9</b>	LENGTH	WIDTH	HEIGHT	DESCRIPTION <b>COOLER RED &amp; WHITE LUNCH BOX</b>
TOTAL PCS <b>1</b>	TOTAL WT. <b>9</b>	SKID(S) SAID TO CONTAIN		NO. OF PIECES	
RATE QUOTE NUMBER		RECEIVED BY BAX AT <input checked="" type="checkbox"/> SHIPPER'S DOOR <input type="checkbox"/> BAX TERMINAL		OUTSIDE CARRIER:	
SIGNATURE OF SHIPPER <i>[Signature]</i>		TIME/DATE OF PICK-UP <b>12-5-93</b>		CHARGES ADVANCED	
RELEASE SIGNATURE <b>X</b>		SIGNED FOR BAX <i>[Signature]</i>		CARRIER NAME	

970 891 950

AIRBILL NUMBER

OP 100 (11-92)

NON NEGOTIABLE AIRBILL SUBJECT TO TERMS AND CONDITIONS OF CONTRACT ON REVERSE SIDE.

**CONSIGNEE COPY**

# MAXWELL

S-CUBED Division

Lot No. 3643

## Sample Log-In Sheet

Revision No.: 0

Date Received: 5-7-1993

Date Sampled: 5-5-1993

Client Code: WHC

DC No. \_\_\_\_\_

Time Received: 10:00

Data Due Date: 5-15-1993

Report Mail Date: 5-14-1993

Received by (Sig):

*Amy Smith*

Custody Seals Present/Intact

☒ Y

N

Reporting Level: FULL CLP

Airbill No.

*970 891 950*

Chain of Custody Present/Intact

☒ Y

N

Turnaround Required: 10 DAY

Charge No. 32468-09

Client Forms Present

☒ Y

N

Quality Control Req'd: Level 3 (RCRA)

Case No./Project Code: 93-117						SDG No.: 3643			FURN7000	HG7000	ICP6010							All Info Agree	Notes
S-Cubed Sample No.	Sample Identification	Samp. Type	No. Cont.	Samp Stor.	Samp Cond														
3643-01	93117-01.E5	NSS	2	16		X	X	X											
3643-01MS	93117-01.E5MS	NSS	2	16		X	X	X											
3643-01REP	93117-01.E5REP	NSS	2	16		X	X	X											

Water ☐ \_\_\_\_\_  
 Soil ☐ \_\_\_\_\_  
 Container Types \_\_\_\_\_

Soil = Soil/Sediment/Sludge  
 Water = Aqueous  
 NAL = Non-Aqueous Liquid  
 NSS = Non-Soil Solid

Water MS,MSD \_\_\_\_\_  
 Soil MS,MSD \_\_\_\_\_  
 SDG Complete ☒ Y N

Review *JD 5/7*

## U.S. EPA - CLP

1  
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

3643-01

Lab Name: S\_CUBED\_\_\_\_\_ Contract: 32468-09\_\_\_\_\_

Lab Code: S3\_\_\_\_\_ Case No.: 93-11 SAS No.: \_\_\_\_\_ SDG No.: 3643\_\_\_\_\_

Matrix (soil/water): SOIL\_\_\_\_\_ Lab Sample ID: 3643-01\_\_\_\_\_

Level (low/med): LOW\_\_\_\_\_ Date Received: 05/07/93

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8360	—	—	P
7440-36-0	Antimony	11.2	U	—	P
7440-38-2	Arsenic	0.65	B	—	F
7440-39-3	Barium	82.2	—	—	P
7440-41-7	Beryllium	0.80	B	—	P
7440-43-9	Cadmium	0.60	U	—	P
7440-70-2	Calcium	3920	—	—	P
7440-47-3	Chromium	16.6	—	—	P
7440-48-4	Cobalt	11.0	B	—	P
7440-50-8	Copper	10.2	—	—	P
7439-89-6	Iron	18600	—	—	P
7439-92-1	Lead	58.0	—	—	P
7439-95-4	Magnesium	4040	—	—	P
7439-96-5	Manganese	304	—	—	P
7439-97-6	Mercury	0.09	U	—	CV
7440-02-0	Nickel	10.8	—	—	P
7440-09-7	Potassium	1510	—	—	P
7782-49-2	Selenium	0.36	U	—	F
7440-22-4	Silver	1.0	U	—	P
7440-23-5	Sodium	141	B	—	P
7440-28-0	Thallium	83.8	U	—	P
7440-62-2	Vanadium	38.8	—	—	P
7440-66-6	Zinc	141	—	—	P

Color Before: BROWN\_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: COARSE

Color After: YELLOW\_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

93117-01.E5\_\_\_\_\_

FORM I - IN

7/88